CUMULATIVE TABLE OF CONTENTS
VOLUME 19, 1998

Number 1, 1998: Pulmonary Vascular Diseases
R.M. du Bois, M.D., F.R.C.P.

Preface 1
The Endovascular Compartment—*David D'Cruz, M.R.C.P., Munther A. Khamashta, M.D., Ph.D., and Graham RV Hughes, M.D., F.R.C.P.* 3
Wegener's Granulomatosis—*Eugene J. Sullivan, M.D., and Gary S. Hoffman, M.D.* 13
Polyarteritis Nodosa, Microscopic Polyangiitis, and Churg-Strauss Syndrome—*François Lhote, M.D. and Loïc Guillevin, M.D.* 27
The Nongranulomatous Vasculitides of the Lung—*Marvin I. Schwarz, M.D.* 47
Pulmonary Vasculitis and Rheumatic Diseases—*J. van den Bogaerde, Ph.D. and H.C. Beynon, M.D., F.R.C.P.* 57
Pulmonary-Renal Syndrome—*David Jayne, M.A., M.D., M.R.C.P.* 69
Pulmonary Arteriovenous Malformations in Hereditary Hemorrhagic Telangiectasia—*J.M.B. Hughes, D.M., F.R.C.P.* 79
Primary and Secondary Pulmonary Hypertension—*Tim Higenbottam, M.D., Helen Marriott, M.Sc., Tom Siddons, B.Sc., and Adrian P.L. Smith, B.Sc.* 91

Number 2, 1998: Obstructive Sleep Apnea
Richard P. Millman, M.D.

Preface—*Richard P. Millman, M.D.* 97
Pathophysiology and Risk Factors for Obstructive Sleep Apnea—*Shannon J. Winakur, Philip L. Smith, M.D. and Alan R. Schwartz, M.D.* 99
Epidemiology of Sleep-Disordered Breathing—*Susan Redline, M.D., M.P.H.* 113
Clinical Consequences of Obstructive Sleep Apnea—*Lawrence J. Epstein, M.D., and J. Woodrow Weiss, M.D.* 123
Diagnostic Strategies—*Richard P. Millman, M.D., David Neumeyer, M.D., and Naomi R. Kramer, M.D.* 133
Behavioral Management of Obstructive Sleep Apnea—*Barbara A. Phillips, M.D., M.S.P.H., F.C.C.P., Michael I. Anstead, M.D., and S. Jerry Pinto, M.D.*
Positive Airway Pressure in the Treatment of Sleep-Related Breathing Disorders—*Mark H. Sanders, M.D., F.C.C.P., and Patrick J. Strollo, Jr., M.D., F.C.C.P.* 147
Oral Appliance Therapy for the Management of Sleep-Disordered Breathing—*Kathleen A. Ferguson, M.D., F.R.C.P.C., F.C.C.P.* 157
Soft-Tissue Surgery for Obstructive Sleep Apnea Syndrome—*Aaron E. Sher, M.D., F.A.C.S.* 165
Hypopharyngeal Airway Surgery for Obstructive Sleep Apnea Syndrome—*Robert J. Troell, M.D., Nelson B. Powell, M.D., and Robert W. Riley, D.D.S., M.D.* 175
Obstructive Sleep Apnea Syndrome in Children and Adolescents—*Judith Owens, M.D., M.P.H., F.A.A.P.* 185

Number 3, 1998: Pregnancy and Respiratory Disorders
John E. Heffner, M.D.

Preface—*John E. Heffner, M.D.* 199
Alterations in Cardiopulmonary Physiology during Pregnancy—*Stephen E. Lapinsky, M.B.B.Ch., M.Sc., FCP(SA), FRCP(C)* 201
Dyspnea During Pregnancy and Sleep-Disordered Breathing in Pregnancy—*Lee K. Brown* 209
Asthma: Management during Pregnancy—*Sue A. Ravenscraft, M.D. and Virginia R. Lupo, M.D.* 221
Venous Thromboembolism in Pregnancy—*John G. Weg, M.D.* 231
Hydrostatic and Increased Permeability Pulmonary Edema in Pregnancy—*Laura W. Eberhard, M.D. and Michael A. Matthay, M.D.* 243
Congenital and Idiopathic Lung Diseases in Pregnancy—*Robert M. Kotloff, M.D.* 259
Pleural Disease in Pregnancy—*Steven A. Sahn, M.D. and John E. Heffner, M.D.* 271
Pneumonia in the Pregnant Patient—*Michael S. Niederman, M.D. and Qanta Ahmed, M.D.* 283
Tuberculosis and Pregnancy—*Bindu Raju, M.D. and Neil W. Schluger, M.D.* 295

Number 4, 1998: Pulmonary Function and Exercise Testing
Fernando J. Martinez, M.D. and Bartolome R. Celli, M.D.

Preface 307
Recent Advances in Spirometry and Flow Volume Loop—*Joseph Milic-Emili, C.M., M.D., F.R.S.C.* 309
Bronchoprovocation Testing—*Peter J. Sterk, M.D., Ph.D.* 317
Lung Volumes—*Charles G. Irvin, Ph.D.* 325
Carbon Monoxide Diffusing Capacity (Transfer Factor)—*Robert O. Crapo, M.D.* 335

Compliance—*Marilyn L. Moy, M.D., and Stephen H. Loring, M.D.* 349
Assessment of Output of the Respiratory Controller—*William A. Whitelaw, M.D.* 361
Respiratory Muscles: Functional Evaluation—*Bartolome R. Celli, M.D. and Alejandro Grassino, M.D.* 367
Six-Minute Walk Testing—*Frank C. Sciurba, M.D. and William A. Slivka* 383
Cardiopulmonary Exercise Testing: Practical and Clinical Concepts—*Fernando J. Martinez, M.D.* 393

Number 5, 1998: Thoracic Imaging
Ella A. Kazerooni, M.D., and David A. Lynch, M.B.

Preface 405
Imaging Techniques in Lung Disease—*David A. Lynch, M.B.* 407
Thoracic Interventional Radiology—*Eric M. Hart, M.D. and S. Melanie Greaves, M.R.C.P., F.R.C.R.* 411
Computed Tomography of Diffuse Infiltrative Lung Diseases: Value and Limitations—*David M. Hansell, M.D., M.R.C.P., F.R.C.R.* 431
Imaging of Occupational Lung Diseases—*David A. Lynch, M.B.* 447
Imaging of Airway Diseases—*John D. Newell, Jr., M.D., F.C.C.P., F.A.S.E.R.* 459
Imaging of Emphysema and the Impact of Lung Volume Reduction Surgery—*Ella A. Kazerooni, M.D.* 469
Imaging of the Solitary Pulmonary Nodule—*Jeremy J. Erasmus, M.D. and Edward F. Patz, Jr., M.D.* 483
Radiologic Staging of Lung Cancer—*David A. Jamadar, M.B., B.S., F.R.C.S., F.R.C.R. and Barry H. Gross, M.D.* 493
Imaging of Pulmonary Thromboembolic Disease—*Colleen J. Bergin, M.D.* 505
The Use of Magnetic Resonance Imaging for Evaluation of Right Ventricular Dysfunction—*Lawrence M. Boxt, M.D.* 515
Radiology of Lung Transplantation—*Jo-Anne O. Shepard, M.D.* 533
Thoracic Complications of AIDS: Imaging Findings and Diagnostic Strategies—*Georgeann McGuinness, M.D., James F. Gruden, M.D., Stuart M. Garay, M. D., and David P. Naidich, M.D.* 543

Number 6, 1998: Controversies and Concepts in Asthma
Kenneth R. Chapman, M.D., M.Sc, F.R.C.P.C., F.A.C.P.

Preface—*Kenneth R. Chapman, M.D., M.Sc., F.R.C.P.C, F.A.C.P.* 561
Primary Prevention of Asthma and Other Allergic Disorders—*Allan Becker, M.D. and Moira Chan-Yeung, M.D.* 563
Exhaled Nitric Oxide Measurements in Asthma: Techniques and Interpretation—*Philip E. Silkoff, M.B.B.S. and Noe Zamel, M.D.* 569
Induced Sputum in the Management of Asthma—*Emilio Pizzichini, M.D., Marcia M. M. Pizzichini, M.D., and Frederick E. Hargreave, M.D.* 581
The Nurse's Role in Asthma Management—*Greta R. Barnes, M.B.E., S.R.N.* 593
Psychosocial and Behavioral Risk Factors in Asthma Management—*Cynthia S. Rand, Ph.D. and Arlene M. Butz* 603
The Rational Use of B_2-Agonists in the Management of Asthma: Maintenance, Rescue, and Emergency—*Nicola A. Hanania, M.D., Robert H. Moore, M.D., and Burton F. Dickey, M.D.* 613
Dose Response to Inhaled Corticosteroids: Benefits and Risks—*Brian J. Lipworth, M.D. and Andrew M. Wilson, MBChB* 625
Antileukotriene Therapy in Asthma—*Jeffrey R. Stokes, M.D. and William W. Busse, M.D.* 647
The Role of Allergen Immunotherapy in Asthma Management—*N. Franklin Adkinson, Jr., M.D.* 657